

CHANNEL MODIFICATIONS OR IMPOUNDMENT STRUCTURES (DAMS)

Please check applicable box(es) and complete all appropriate sections(s). Make sure answers to all of the questions in this appendix correspond to information on the application drawings

Section I. CHANNEL MODIFICATIONS

Section II. IMPOUNDMENT STRUCTURES (DAMS)

I. CHANNEL MODIFICATIONS

1. What are the dimensions of the existing channel to be modified relative to mean high water (for tidal areas only) or ordinary high water (for non-tidal areas only)?

_____ length _____ depth _____ base width _____ top width

2. What will be the dimensions of the new or modified channel relative to mean high water (for tidal areas only) or ordinary high water (for non-tidal areas only)?

_____ length _____ depth _____ base width _____ top width

3. State type and approximate composition percentage of the existing stream bed (e.g. clay 10%, sand 10%, silt 45%, gravel 10%, etc.)

4. State the type and approximate composition percentage of the new or modified stream bed?

5. What are the approximate normal discharge rate and drainage area of the existing water body.

2 yr. _____ cfs _____ acres
10yr. _____ cfs 100 yr. _____ cfs

6. What will be the approximate normal flow-rate and drainage area of the new or modified water body (for non-tidal areas only)?

2 yr. _____ cfs _____ acres
10 yr. _____ cfs 100 yr. _____ cfs

7. What will be the change (if any) in slope and cross-sectional area?

8. What type of material(s) will be used to stabilize the banks of the new or modified channel (e.g. rip-rap, vegetation, bulkhead, etc.)? Complete additional Appendices as necessary.

9. What will be the change in floodplain area upstream of the channel modification for a two year or ten year storm? Please indicate change in area on plans.

_____ 2 yr. _____ 10 yr.

II. IMPOUNDMENT STRUCTURES (DAMS)

1. What type(s) of material(s) will be used to construct the impoundment structure (e.g. earth, rock, concrete, etc.)?

2. How many cubic yards of material for the impoundment structure will be obtained from:
 - a. Upland sources? _____ cubic yards
 - b. Dredged material? _____ cubic yards
 - c. Other? (explain below) _____ cubic yards

3. What will be the dimensions of the impoundment structure relative to mean high water (for tidal areas only) or ordinary high water (for non-tidal areas only)?

4. What will be the impoundment's?

Storage capacity: _____ acre-feet
Surface area: _____ acres; _____ square feet

5. What is the approximate drainage area of the water body upstream of the proposed impoundment? _____ acres

6. Have you obtained the appropriate County Conservation District office approval for an erosion and sediment control plan for your project? _____ Yes _____ No _____ N/A

If your answer is "No", contact the County Conservation District.

7. What is the approximate discharge rate from the 2, 10, 100 year frequency storm prior to construction?
2 yr. _____ cfs
10 yr. _____ cfs
100 yr. _____ cfs